

# SECTION ONE

## What is a Panel Radiator?

**When** most North Americans hear the word "radiator" they think of large and heavy cast-iron radiators. Perhaps they envision an older building with "ugly" radiators covered with dust and taking up a large amount of floor space. Maybe they think back to times when they had seen steam hissing from radiator vents, or pipes that made sounds in the middle of the night as the system turned on. It's safe to say that most North Americans probably think of radiators as a "necessary evil" in a house - a compromise they have to make to be comfortable in winter.



*Old style heavy, bulky cast-iron radiators*

for homes and commercial buildings. They are a contemporary product that bears little resemblance to older cast iron radiators. They also allow for much easier installation and far superior performance. When properly selected and installed they offer unmatched comfort, convenience, and a long trouble free life.



*A modern DiaNorm panel radiator*

As in many areas of technology, the design and construction of space heating radiators has progressed immensely over the last two decades. This is especially true in Europe where hydronic heating is used in the vast majority of homes and commercial buildings.

Modern panel radiators such as those manufactured by DiaNorm are one of the most versatile hydronic heat emitter options available

This manual shows you the latest DiaNorm panel radiators and describes how to integrate them into high performance hydronic heating systems. It will give you specific details on the strengths and limitations of various piping methods and ways of controlling the system.

By applying what is discussed you can create state-of-the-art heating systems that deliver unmatched comfort.